CIO/NII
Enabling Net-Centric Operations

Clinger-Cohen Act (CCA) (U.S.C. Title 40) Knowledge Fair III (NDU/IRMC)

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Ten Year Anniversary of CCA (Title 40), 1996-2006

The 1996 Clinger-Cohen Act (CCA) was implemented to force effective IT investment management principles, procedures, and oversight across the Federal Government.

CCA:

- Established CIO as direct report to agency head
- Mandated use of Enterprise Architecture
- Required CIO to manage IT investment portfolio

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DoD CIO Activities Supporting CCA

- Published DoD Directive on Portfolio Management
- Partitioned IT budget into warfighting, intelligence, business, and enterprise information environment mission areas
- Established enterprise approach based on service oriented architecture
- Published DoD data strategy to improve information sharing
- Published information assurance policies to protect information and the information environment
- Established IRMC as premier school for CIO education and training

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DoD CIO/NII Responsibilities

- Networks and Net-Centric Policies and Concepts
- Enterprise-wide integration of DoD information matters

Principal Staff Assistant

US Title 10
Advise the Secretary

- Command and Control
- Communications and Information Networks
- RF Spectrum Management
- Position, Navigation, Timing
- Non-Intelligence Space

Chief Information Officer

US Title 40
Manage Information Resources

- Enterprise-level strategist from the information perspective
- Enterprise-wide Information policy
- Information architect for the DoD Enterprise
- DoD-wide information executive

Authorities
- NII Charter (DoDD 5144.1 May 2, 2005)
- Section 113, Title 40, U.S.C., (formerly Clinger-Cohen Act of 1996 as amended)
- Responsibilities and Control Matrix

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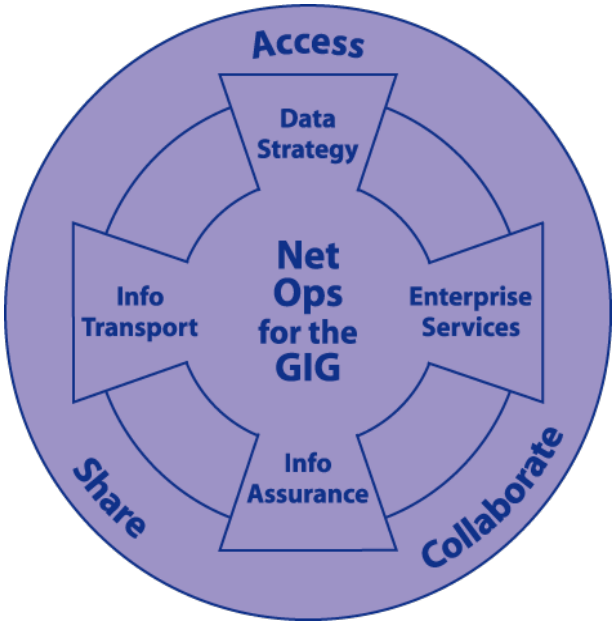
DoD CIO/NII Priorities

Lead the effort that will deliver the critical enabling capability required by the National Defense Strategy to **conduct Net-Centric Operations**

- Continue to reinforce CCA (Title 40) implementation
- Establish a true Information Age CIO for DoD
- Create a 21st century workforce of information pioneers --- recruitment, training, and education essential
- Ensure “information” is recognized as a critical strategic asset at all levels of the Department
- Tell a clear and compelling story of where the IT Enterprise is headed and how it will improve the efficiency and effectiveness of warfighter, intelligence, and business operations

Net-Centric Framework



- **Data Strategy:**
  - *How to "**share**" the data*
- **Enterprise Services:**
  - *How to "**access**" the data*
- **Information Transport:**
  - *How to "**move**" the data*
- **Information Assurance:**
  - *How to keep it "**dependable**"*
- **Network Operations:**
  - *How to "**manage**" the system*

Data: Discoverable, Accessible, Understandable

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Critical Technology Enablers

IPv6
- Supports proliferation of IP-addressed applications/devices, and "comm on the move"
- DoD Transition Strategy:
  - Tech Refresh

VOIP
- Increases flexibility/capacity through broadband Internet connection; allows for converged voice and data on the same network
- DoD Initiatives:
  - Developing standards to end-to-end VOIP capability

Satellite Communications
- Enables real time connectivity, high data rate, ISR exfiltration, and comm on the move
- DoD TSAT Program Restructure:
  - IOC 2013; 4 on orbit 2017

Mobile Communications
- Provides network entry device for individual users at the tactical edge
- DoD JTRS Program:
  - Joint Program Office established
  - Form-factors being developed

Service-Oriented Architecture
- Establishes easy-to-use services to access, share and collaborate
- DoD Strategy:
  - Acquire commercially managed service (NCES goal)

Information Assurance
- Assures DoD's information, information systems, and information infrastructure
- DoD Strategy:
  - Fundamental shift from "walls and patches" to "secure from the start"
- DoD Initiatives:
  - Build IA architecture
  - Expand partnership with industry for IA R&D

“I can get the information I need”

When I need it **Where I need it** **How I need it**

Net-Centric Information Environment

Better Decisions Faster -- Decisive Actions Sooner

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